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REQUEST FOR ACCESS TO AN APPLICATION UNDER 37 CFR 1.14(e)			
	In re Application of Koenck		
RECEIVED	Application Numb		Filed 6/20/97
DEC 2 3 2002	Art Unit	Examiner	
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Paper No. #39			
Assistant Commissioner for Patents Washington, DC 20231			
1. I hereby request access under 37 CFR 1.14(e)(2) to the application file record of the above-identified ABANDONED Application, which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and is: (CHECK ONE)			
(A) referred to in:			
United States Patent Application Publication No, page, line,			
United States Patent Number 5,889,386, column, line, or			
an International Application which was filed on or after November 29, 2000 and which			
designates the United States, WIPO Pub. No, page, line			
(B) referred to in an application that is open to public inspection as set forth in 37 CFR 1.11(b) or			
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I hereby request access under 37 CFR 1.14(e)(1) to an application in which the applicant has filed an authorization to lay open the complete application to the public.			
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## United States Patent [19]

## Koenck

Patent Number:

5,889,386

Date of Patent:

Mar. 30, 1999

[54] BATTERY CONDITIONING SYSTEM HAVING COMMUNICATION WITH BATTERY PARAMETER MEMORY MEANS IN CONJUNCTION WITH BATTERY CONDITIONING

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Assignee: Intermed Technology Corporation,

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May 20, 1998

Related U.S. Application Data

continuation of Ser. No. 561,665, Nov. 22, 1995, abandoned, - NO. 4-/UP ZUZ. WHICH IS TOVISION OF SI Nos. F. 1985, Par No. 4,716-15 on-m-part of Ser. No. 612,386, May 21 385.850 Jun. 7, 1982, Pal. No. 4, 55, 52

[51] Int. Cl.6 ...... .... Н02Ј 7/00

..... 320/136; 320/107; 320/112; 320/114: 320/134: 320/427; 320/426

... 320/107, 106, [58] Field of Search ... 320/112, 113, 114, 115, 116, 134, 136; 324/426-435 [56]

References Cited

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Primary Examiner-Edward H. Tso Assistant Examiner-K. Shin

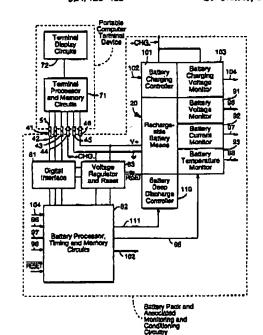
Attorney, Agent, or Firm-McAndrews, Held & Malloy, Ltd.

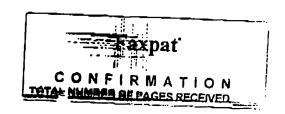
[57]

**ABSTRACT** 

In an exemplary embodiment, a battery conditioning system monitors battery conditioning and includes a memory for storing data based thereon; for example, data may be stored representative of available battery capacity as measured during a deep discharge cycle. With a microprocessor monitoring battery operation of a portable unit, a measure of remaining battery capacity can be calculated and displayed. Where the microprocessor and battery conditioning system memory are permanently secured to the battery so as to receive operating power therefrom during storage and handling, the performance of a given battery in actual use can be accurately judged since the battery system can itself maintain a count of accumulated hours of use and other relevant parameters. In the case of a non-portable conditioning system, two-way communication may be established with a memory associated with the portable unit so that the portable unit can transmit to the conditioning system information concerning battery parameters (e.g. rated battery capacity) and/or battery usage (e.g. numbers of shallow discharge and recharge cycles), and after a conditioning operation, the conditioning system can transmit to the portable unit a measured value of battery capacity, for example.

## 20 Claims, 24 Drawing Sheets.





[23] Assignee: Intern Everel

[24] Appl. No.: 82,061

[25] Filed: Marriage